



Rapid Prototyping & On-Demand Manufacturing Services

CNC Machining | Injection Molding | Sheet Metal Fabrication | 3D Printing

Make Parts Machining as Easy as Online Shopping

www.sogaworks.com

About SogaWorks

SogaWorks is an outstanding one-stop on-demand manufacturing platform to make manufacturing easier. To accelerate innovations for customers, we provide manufacturing services from rapid prototyping to mass production, which include **CNC machining, sheet metal fabrication, injection molding** and **3D printing services**. Aiming to achieve better turnaround, more reliable quality and lower cost, SogaWorks builds a distributed collaborative supplier network and creates a digital manufacturing management system with the new technology of AI, IoT, etc. As an excellent machining service provider, we are cooperating with over 1000 factories with different levels and capabilities, serving over 50,000 customers from 30 countries and regions worldwide since 2015.

30+

Countries or Regions

50,000+

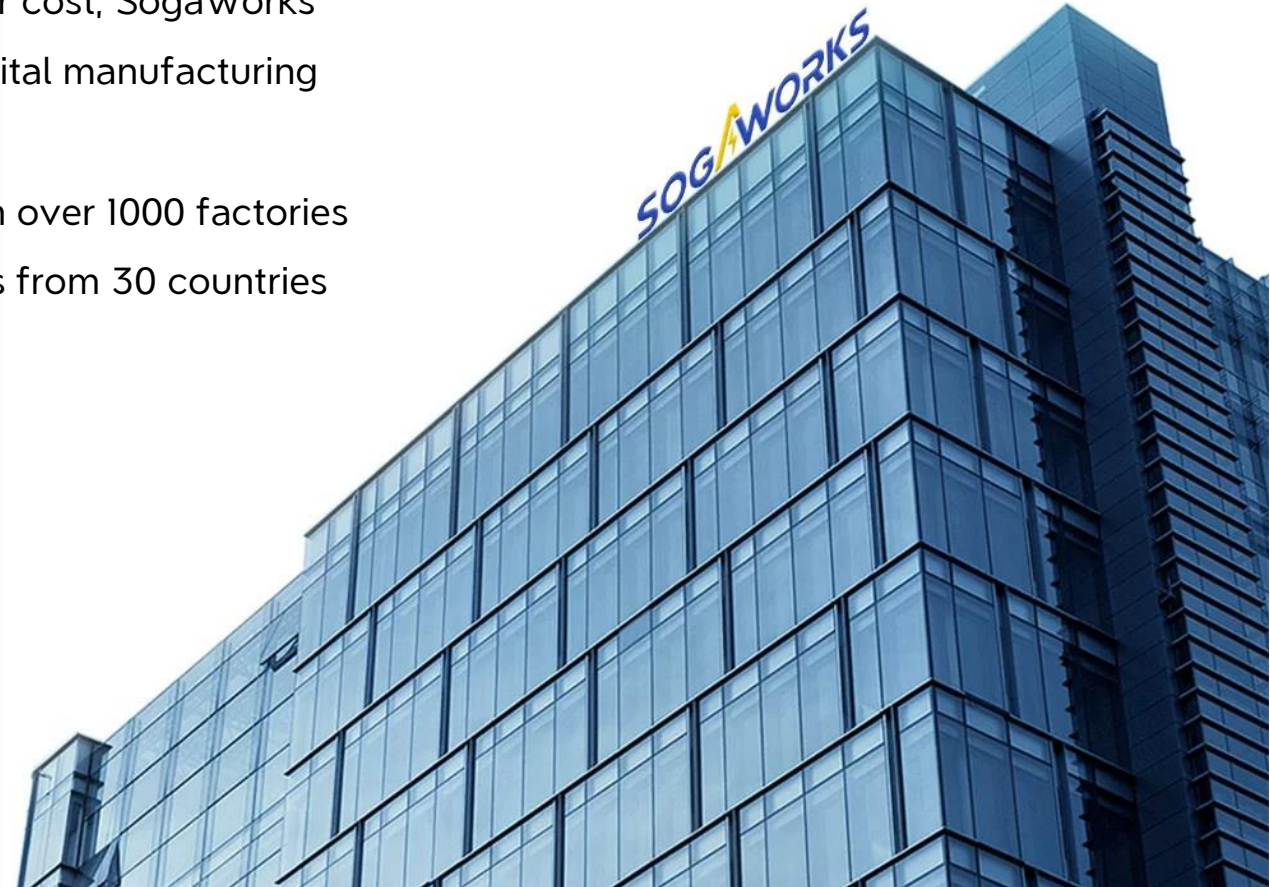
Served Clients

1,000+

High-vetted Factories

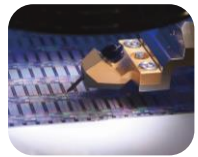
2,000 m²

Self-operated Factory



Our clients are from all over the global

We have served more than 50,000 customers across 30+ countries and regions worldwide. Our clients span a wide range of industries, including optoelectronics, aerospace, automation, consumer electronics, robotics, and more.



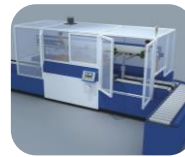
Optoelectronics



Medical



Aerospace



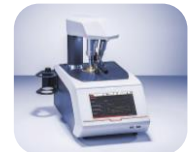
Automation



Consumer Electronics



Robotics



Instrumentation



Drones



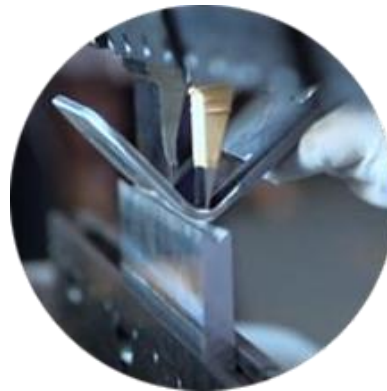
just to name a few...



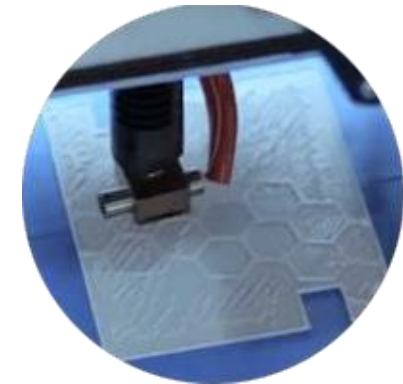
CNC Machining



Injection Molding



Sheet Metal Fabrication



3D Printing

**On-demand
Manufacturing Services**



Available Material

Aluminum	Stainless steel	Plastics		Other
1060	303	ABS	ABS	Brass H59
5052	304	PTFE	PA6/66	Brass H62
6061	316	POM	PEEK	Copper T2
6063	316L	PPS	PMMA	Mild steel 1045
7075	420	PE	FR4	Mild steel A36
2A12	430	PC	PP	Alloy steel 4140

Tolerance

Size	Tolerance	Angularity
< 12" (30 mm)	± .005" (0.125 mm)	± 0.5°
< 24" (60 mm)	± .010" (0.250 mm)	± 1.0°
< 36" (90 mm)	± 1/64" (0.400 mm)	± 1.0°

Capabilities

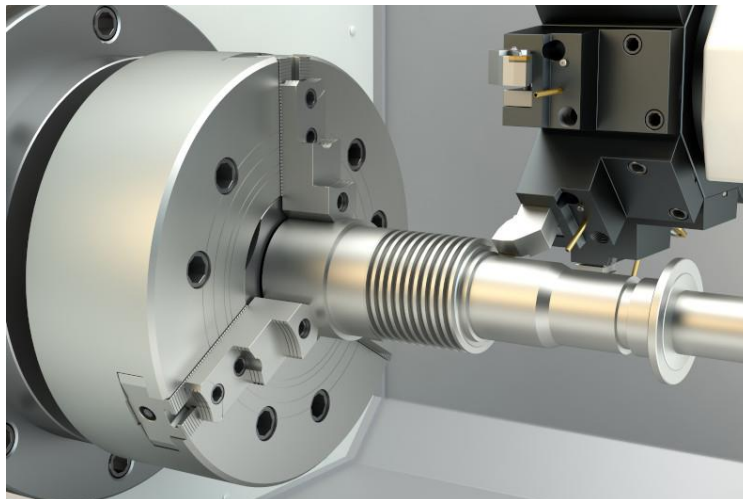
- CNC Milling(3-/4-/5-axis)
- CNC Turning
- Wire EDM Machining





Part Size For CNC Milling

Size	Metric units	Imperial units
Max. size	2100*1600*800 mm	82.7*63.0*32.5 inches
Min. size	Ø 0.50mm	Ø 0.019 inch



Part Size For CNC Turning

Size	Metric units	Imperial units
Max. size	Ø 400 mm	Ø 15.748 inches
Min. size	Ø 0.50 mm	Ø 0.019 inch



3D Printing Processes

- Stereolithography (SLA)
- Selective Laser Sintering (SLS)
- Selective Laser Melting (SLM)
- Digital Light Processing (DLP)
- Multi Jet Fusion (MJF)

SLA Available Materials

- Standard resin
- Tough resin (ABS-like)
- Durable resin (PP-like)
- Clear resin
- Heat resistant resin

SLS Available Materials

- Nylon 12 (Standard)
- Carbon filled Nylon
- Glass filled Nylon
- Mineral filled Nylon



■ SLM Available Materials

- Stainless steel 316L
- Steel MS1
- Aluminum ALSi10Mg
- Titanium Ti-6Al-4V



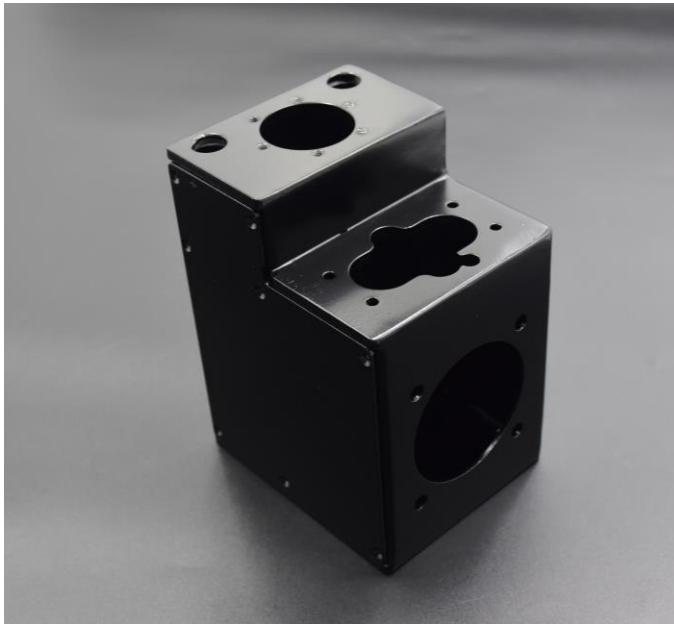
■ DLP Available Materials

- PC-like
- ABS-like
- PP-like



■ MJF Available Materials

- Nylon 11
- Nylon 12
- Nylon 12, Glass-filled



Processes

- Laser Cutting
- Metal Bending
- Punching
- Welding

Materials

- Aluminum
- Brass/Bronze
- Copper
- Stainless steel
- Steel

Finishes

- Anodizing
- Plating
- Powder coating
- Painting

Tolerance

Dimension Detail	Tolerance
Hole sizes	±0.005"
Edge to edge, single surface	±0.010"
Edge to hole, single surface	±0.010"
Hole to hole, single surface	±0.005"
Bend to edge / hole, single surface	±0.015"
Bend to bend	±0.020"
Edge to feature, multiple surface	±0.030"
Over formed part, multiple surface	±0.030"
Bend angle	±1°



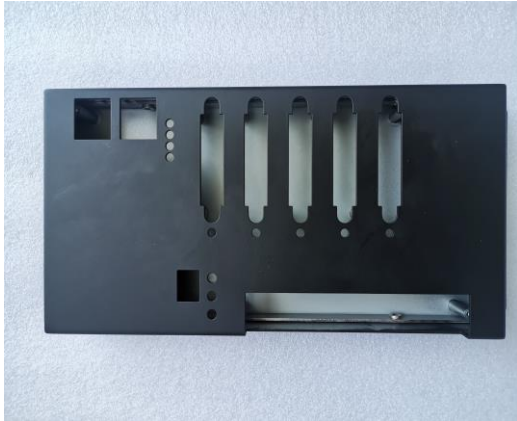
Our Capabilities

- Bi-color Injection Molding
- Insert molding;
- Overmolding;

Available Materials

- ABS
- HDPE
- LDPE
- PA6/66
- PBT
- PC
- PEI
- PET
- PETG
- PP
- PPS
- PS
- PMMA
- POM

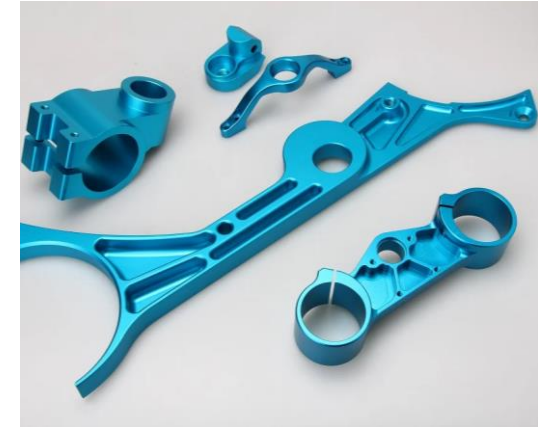




Powder Coating



Bead Blasting



Anodizing



Electroplating



Polishing



Passivation

Main Equipment List

- CNC Machining Center 120 sets
- Injection Machine 25 sets
- Sheet Metal Machines 50 sets
- 3D Printing Machine 10 sets



Material Identification, Quality Inspection, and Testing

Ensuring product quality demands a robust process-control system and state-of-the-art facilities.

At SogaWorks, we utilize advanced inspection, measurement, and testing equipment to thoroughly evaluate all incoming raw materials. Our modern metrology lab is dedicated to ensuring that each part meets your precise specifications.

To maintain the highest standards of production quality, we follow a comprehensive step-by-step approach for every project, guaranteeing consistent and reliable results.

- Design for manufacturing review for all quotes provided
- Contract review upon receipt of PO
- Incoming materials inspection
- First article and in-process inspection
- Final inspection and testing with reports and certifications as required



Parts Gallery



Aluminum 7075 Anodized

CNC machining



Copper

CNC machining



Aluminum 6061-T6

CNC machining



Stainless steel 304

CNC machining



Stainless steel 304

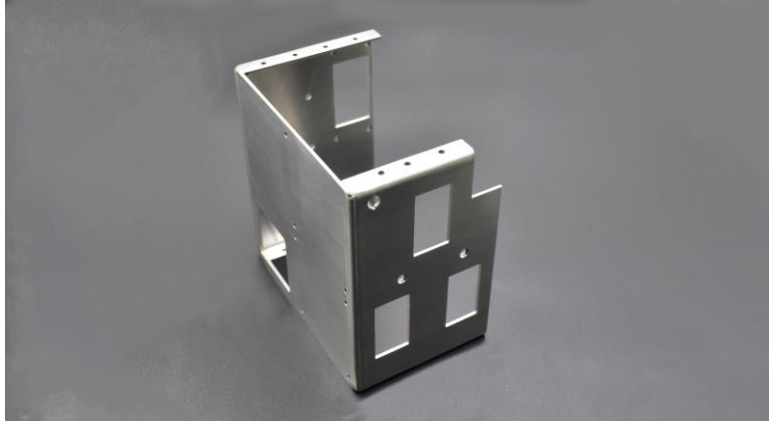
CNC machining



Aluminum 6061 Anodized

CNC machining

Parts Gallery



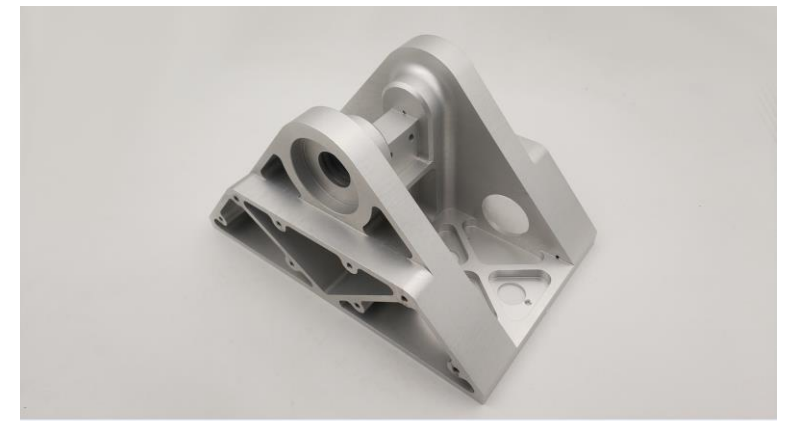
Stainless steel 304

Sheet metal fabrication



Stainless steel 303

Sheet metal fabrication



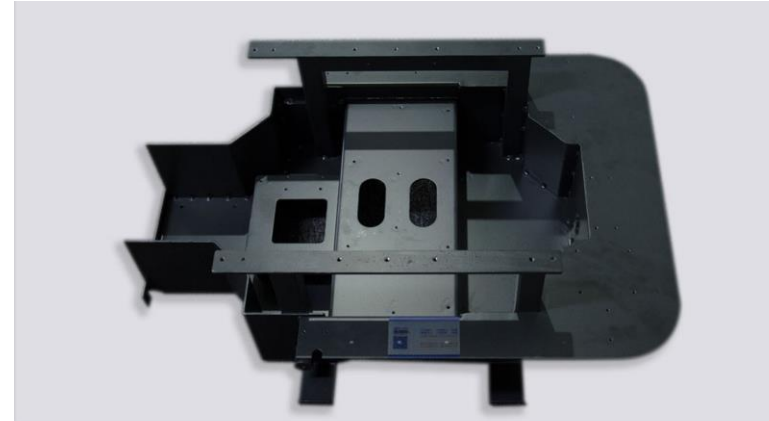
Aluminum

Urethane casting



Aluminum 5052

Sheet metal fabrication



Steel A36

Sheet metal fabrication



Aluminum 6061 Anodized

CNC machining

Thank You !

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